

Converting Colors

$Yxy(90.4552, 0.4044, 0.5038)$

Have a look what the booklet for
Yxy(90.4552, 0.4044, 0.5038)
contains.

Yxy(90.4425, 0.4042, 0.5037)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.4425, 0.4042, 0.5037)

Conversions

Conversions Part 1

Format	Color
Hex	F1FF31
RGB	241, 255, 49
RGB Percent	95%, 100%, 19%
CMY	0.0551, 0.0000, 0.8078
CMYK	0.06, 0.00, 0.81, 0.00
HSL	64°, 100%, 60%
HSV	64°, 81%, 100%
XYZ	72.5766, 90.4425, 16.5371
YIQ	227.3300, 57.7820, -67.0340

Conversions

Conversions Part 2

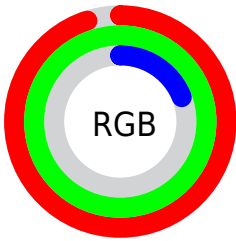
Format	Color
R_{YB}	49, 255, 63
Decimal	15859505
CIE _{Lab}	96.18, -26.53, 86.71
CIE _{LCh}	96, 90.673, 107.011
Yxy	90.4425, 0.4042, 0.5037
Android (android.graphics.Color)	4294049585 (0xFFFF1FF31)
YUV	227.3300, -87.9167, 11.9886
Hunter-Lab	95.1013, -30.2047, 56.2610

Details

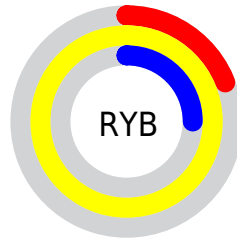
The Yxy color **90.4425, 0.4042, 0.5037** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **10.4758, 0.1667, 0.0824**, and the grayscale version is **77.6782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0178, 0.3921, 0.4603**, and **50.2119, 0.4043, 0.5172** is the 20% darker color. If you saturate the color by 10%, you get **89.9707, 0.4068, 0.5112**, and if you desaturate by 10%, it is **91.0202, 0.3990, 0.4917**.

Distribution



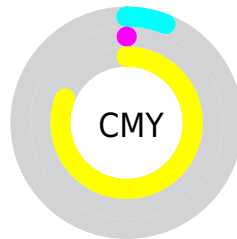
- Red (95%)
- Green (100%)
- Blue (19%)



- Red (19%)
- Yellow (100%)
- Blue (25%)



- Cyan (6%)
- Magenta (0%)
- Yellow (81%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.4425, 0.4042, 0.5037 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 90.4425, 0.4042, 0.5037 by changing the saturation by 10% instead.


 90.4425, 0.4042,
0.5037


 90.4425, 0.4042,
0.5037


529.4692, 0.3721,
0.4296


 68.3477, 0.4084,
0.5177


 147.9529, 0.3955,
0.4801


 50.1807, 0.4121,
0.5334


 184.1373, 0.3914,
0.4703


 35.5570, 0.4144,
0.5506


 225.7870, 0.3876,
0.4616

 24.0922, 0.4141,
0.5692

 273.2864, 0.3840,
0.4537

 15.4021, 0.4101,
0.5899

 327.0200, 0.3807,
0.4467

 9.1020, 0.3948,
0.6052


387.3720, 0.3776,


 4.8078, 0.3719,


0.4404


0.6281


454.7270, 0.3748,
0.4347


 2.1349, 0.3346,
0.6654


 0.6842, 0.0039,
0.9961


 90.4425, 0.4042,
0.5037


 90.4425, 0.4042,
0.5037


 89.9707, 0.4068,
0.5112


 91.0202, 0.3990,
0.4917


 89.6286, 0.4072,
0.5149


 91.7496, 0.3912,
0.4753

 92.6364, 0.3810,
0.4551

 93.6937, 0.3690,
0.4320

 94.9331, 0.3557,
0.4071

 96.3653, 0.3418,
0.3814

 98.0000, 0.3276,
0.3558

99.8464, 0.3138,
0.3309

100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4425, 0.4781, 0.4444



90.4425, 0.4042, 0.5037



90.4425, 0.3125, 0.5119

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.4425, 0.4042, 0.5037



90.4425, 0.1477, 0.2343



90.4425, 0.3889, 0.2473

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



90.4425, 0.4042, 0.5037



10.4758, 0.1667, 0.0824

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.4425, 0.2852, 0.2041



90.4425, 0.4042, 0.5037



90.4425, 0.1606, 0.1922

Square

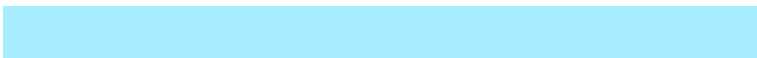
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.4425, 0.4042, 0.5037



90.4425, 0.1680, 0.3198



90.4425, 0.2057, 0.1844



90.4425, 0.4784, 0.3069

Rectangle

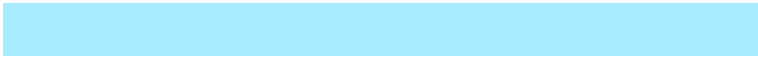
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.4425, 0.4042, 0.5037



90.4425, 0.2525, 0.4691



90.4425, 0.2057, 0.1844



90.4425, 0.3535, 0.2306

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



90.4332, 0.4042, 0.5037



95.8828, 0.3463, 0.3897



25.0079, 0.5886, 0.3379



20.4137, 0.3513, 0.3989



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.4332, 0.4042, 0.5037



89.7356, 0.4072, 0.5139



77.1681, 0.3362, 0.5538



21.0240, 0.3258, 0.3526



46.8597, 0.4074, 0.5147



4.5808, 0.4089, 0.5136

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.4758, 0.1667, 0.0824



7.5867, 0.1528, 0.0626



17.4956, 0.2345, 0.1178



17.4369, 0.2989, 0.3045



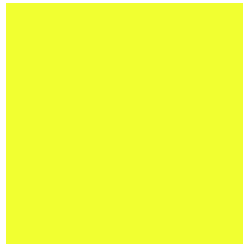
3.8585, 0.1520, 0.0611



0.3954, 0.1567, 0.0637

Previews

White Background



This preview shows how the Yxy color 90.4425, 0.4042, 0.5037 looks on a white background.

Color Contrast Check

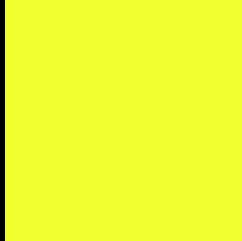
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 90.4425, 0.4042, 0.5037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

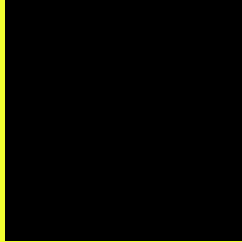
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.4425, 0.4042, 0.5037

Background



This preview shows how black text looks on a background with the Yxy color 90.4425, 0.4042, 0.5037.



This preview shows how white text looks on a background with the Yxy color 90.4425, 0.4042, 0.5037.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



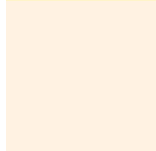
Original Color

90.4425, 0.4042, 0.5037



Protanopia

90.1784, 0.3469, 0.3718



Deuteranopia

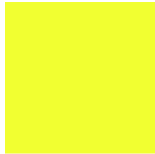
90.2552, 0.3313, 0.3448



Tritanopia

90.0849, 0.3147, 0.3155

Trichromacy



Original Color

90.4425, 0.4042, 0.5037



Protanomaly

89.5341, 0.3757, 0.4303



Deuteranomaly

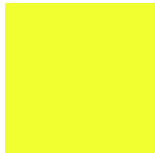
89.4542, 0.3668, 0.4143



Tritanomaly

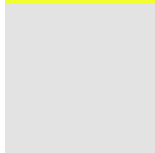
88.8835, 0.3570, 0.3956

Monochromacy



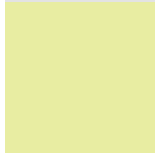
Original Color

90.4425, 0.4042, 0.5037



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

80.3328, 0.3568, 0.4090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4425, 0.4042, 0.5037 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(241, 255, 49)` looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 49)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(241, 255, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 49) }
```

Border

The CSS property to change the border of an element to Yxy 90.4425, 0.4042, 0.5037 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(241, 255, 49) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(241, 255, 49) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(241, 255, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 49);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4425, 0.4042, 0.5037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 49) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(241,  
255, 49) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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